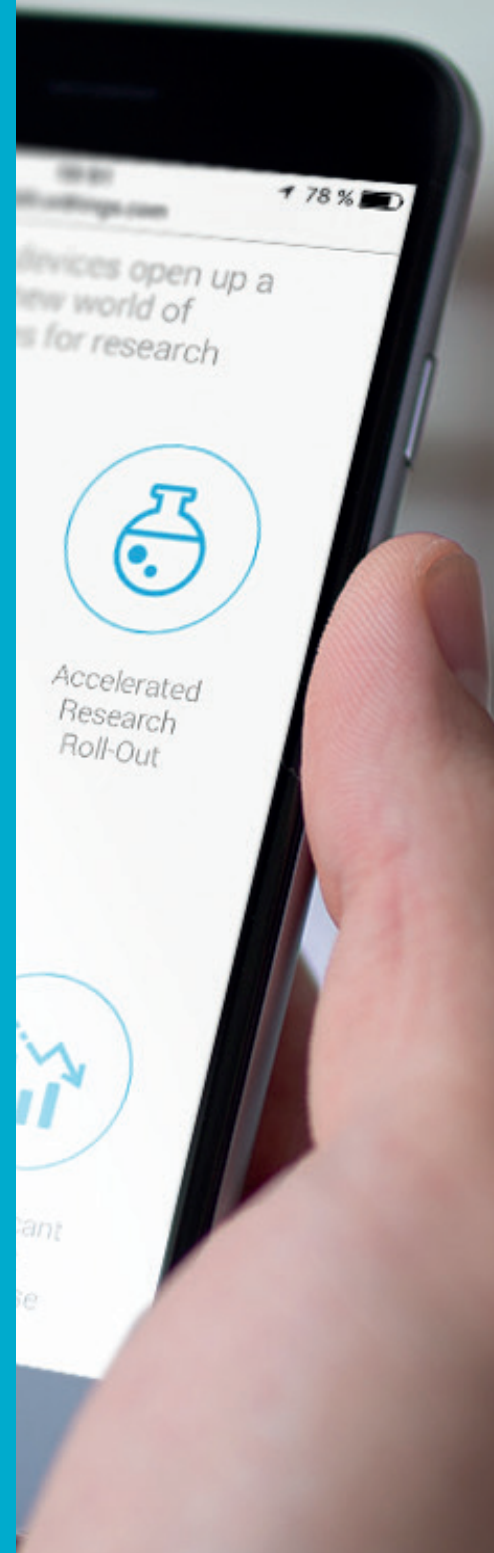


WITHINGS COMMITTED TO MEDICAL RESEARCH



Partner	Concern	Description	Device used
CORNELL UNIVERSITY 	Nutrition	An intervention using Wi-Fi scales and graphic e-mail feedback, the caloric titration method (CTM), to reduce age-related weight gain over 1 year among college students was evaluated. CTM intervention was effective in preventing age-related weight gain in young adults over 1 year and thus offers promise to reduce overweight and obesity rates.	Body Scales
AMERICAN MEDICAL GROUP ASSOCIATION 	Hypertension	Withings teamed up with the American Medical Group Foundation (AMGF) to work on an 18-month project seeking to improve blood pressure control in patients with uncontrolled hypertension, in conjunction with the national Measure Up/Pressure Down® hypertension campaign.	Blood Pressure Monitors
INSERM - UNIVERSITÉ PIERRE ET MARIE CURIE 	Activity & Hypertension	A study was built upon cross-sectional and longitudinal data from a pool of 19,000 adult owners of Withings activity trackers and wireless blood pressure monitors. The aim of the study was to assess the link between physical activity levels and blood pressure. The study gave way to an abstract at the European Society of Hypertension.	Data
TAMPERE UNIVERSITY OF TECHNOLOGY 	Weight Management, Behavioral Science	The aim is to study randomized data sets of longitudinal weight data to determine how variations in weight are related to successful weight management and to develop coaching algorithms that would prove more efficient in self-guided behavioral change.	Data
MAYO CLINIC 	Chronic Heart Failure	Mayo Clinic uses remote monitoring for patients with Chronic Heart Failure with the help of the Withings Pulse, Body Scale and Withings Blood Pressure Monitor to decrease the number of readmission rates.	Blood Pressure Monitors, Body Scales & Withings Pulses
STANFORD UNIVERSITY 	Bariatric Surgery	The aim of the study is to assess the impact of a connected scale and an activity tracker on patients undergoing bariatric surgery. All patients undergoing bariatric surgery will be recruited preoperatively. They will be provided a recommended exercise regimen and also some general wellness information via the Withings' Health Mate application. Also, they will receive bi-monthly phone calls to monitor and encourage their progress.	Withings Pulses & Withings Body Scales

**Scripps Translational Science Institute****I Diabetes, Hypertension, Heart Arrhythmia**

In the context of the «Wired for Health» study, 200 participants with common chronic diseases – diabetes, hypertension or heart arrhythmia – have been given a Withings blood pressure monitor and a Withings Body Scale. Results will be compared to those of a control group.

Device used

Blood Pressure Monitors, Body Scales

**Scripps Translational Science Institute****I Hypertension**

Recent work has suggested that variability in blood pressure readings may be a more appropriate measure of cardiovascular risk. The objective of the study would be to explore and describe intra-individual variability (20000 users in the US), how that differs between individuals, and what characteristics, if any, are related to this variability such as age, gender, time of day, work day or weekend, and season.

Blood Pressure Monitors, Body Scales

**University Hospital of North Norway & Norwegian Centre for Integrated Care and Telemedicine****I Chronic Heart Failure**

The Norwegian Center for Integrated Care and Telemedicine, in partnership with the Northern Norway Hospital, is equipping a number of cohorts of patients suffering from heart failure with Withings connected Body scales, with the objective of generating automatic alerts for these patients.

Blood Pressure Monitors, Body Scales

**Société Européenne d'Hypertension****I Blood Pressure Measure Validation**

The aim of the present study was to validate the Withings automatic oscillometric blood pressure device according to the European Society of Hypertension International Protocol. This study showed that the accuracy of the Withings oscillometric device fulfills the International Protocol requirements.

Blood Pressure Monitors

**University of South Australia****I Activity Measurement**

In free-living conditions, the consumer-level activity monitors showed strong validity for the measurement of steps and sleep duration, and moderate validity for measurement of vigorous physical activity, sleep and total daily energy expenditure.

Withings Pulses

**University Of Pennsylvania****I Hypertension**

The University of Pennsylvania is conducting a study that will examine if social incentives improve adherence to home blood pressure monitoring in patients with hypertension.

Blood Pressure Monitors

**Centre Hospitalier Universitaire (CHU) d'Angers****I Spine Surgery**

The aim of the study is to assess the relevance of activity trackers for post-surgery monitoring of patients having had neuro-spine surgery to remove tumors. Trackers will serve to assess the quality of life in two different groups of patients with two different surgeries with an activity tracker.

Withings Pulses

**Centre Hospitalier Universitaire (CHU) de Saint-Etienne****I Arteriopathic Disease**

50 patients with arteriopathic disease will be equipped with a Withings Pulse to assess physical activity. The aim is to investigate the impact of walk training on these patients.

Withings Pulses

**French Union of Cardiologists****I Hypertension**

The study investigates the impact of the use of connected devices: the Withings Pulse, the Withings Blood Pressure Monitor and Withings Health Mate mobile application with hygieno-dietetic messages on the management of high blood pressure among 50 patients.

Withings Pulses, Blood Pressure Monitors

**HEGP Nephrology****I Nephrology**

The aim of the study is to investigate the impact of physical activity on cardiovascular risk among 60 patients from European Hospital Georges Pompidou with kidney transplant since 2 years.

Withings Pulses

**HEGP Cardiology - Hy-result****I Hypertension**













Hy-Result is the first software for self-interpretation of home blood pressure measurement results, taking into account both the recommended thresholds for normal values and patient characteristics. We compare the software-generated classification with the physician's evaluation. Classification by Hy-Result is at least as accurate as that of a specialist in current practice.

Withings Health Mate

**University of Manchester****I Weight Loss**

Manchester University and Withings collaborated on a first of kind scientific project aimed at understanding how weight change signals from connected device users can be harnessed to understand weight management in populations.

Body Scales

			Device used
	Stanford University Prof. David Michael Axelrod uses "Baby Body scales" at Stanford University's hospital for his pediatric, pediatric cardiology and general cardiology studies.	I Pediatric Cardiology	Body Scales
	University College Dublin (UCD) Withings blood pressure monitors, Body scales and trackers are being used in a study of pregnant women suffering from type 2 diabetes.	I Obstetric Diabetes	Blood Pressure Monitors, Body Scales
	Centre Hospitalier Universitaire (CHU) de Toulouse The Educ@Dom project aims at equipping around 100 type 2 diabetes patients with connected devices to be used at home (Body scales, blood pressure monitors and trackers). These devices would allow the generation of alerts for an early medical intervention.	I Diabetes	Body Scales
	UCLA Withings Body Scale is being used in a weight loss study using 3 different control groups. One of the groups will have a scale and will be monitoring weight loss outcomes.	I Weight Loss	Body Scales
	University of Minnesota The University of Minnesota is inviting men and women to participate in a 2-year project to test the importance of how often people weigh themselves during a free 12-month weight loss program.	I Weight Loss	Body Scales
	Hôpital Universitaire Pitié-Salpêtrière In association with the French National Railway company, Withings organized a public challenge around physical activity, which recruited 6200 members who tracked their steps for a period of 10 weeks. These same participants were asked to participate in a public health study, aimed at assessing the real impact of public transports on physical activity.	I Public Health	Withings Pulses, Activités Pop, In-app steps tracking
	Brockton Hospital Pilot with Brockton Hospital managing patients with Chronic Heart Failure in collaboration with our partner igetbetter. Patients received a weight scale and a wireless blood pressure cuff. Data from the devices was integrated through igetbetter where the care coordinator would measure the patients vitals. The goal was to reduce readmission rates.	I Chronic Heart Failure	Blood Pressure Monitors
	Institut Pasteur Lille «Ensemble Prévenons l'Obésité Des Enfants» (EPODE, Together Let's Prevent Childhood Obesity) is a large-scale approach for communities to implement effective and sustainable strategies to prevent childhood obesity. A project conducted with the collaboration of Withings consisted of monitoring 250 children from 8 to 11 years old, equipped with activity trackers in order to test the relevance of a new program.	I Childhood Obesity	Withings Pulses
	Quantified Self Institute (QSI) 100 people of the LifeLines cohort (largest biobank in Europe with 165,000 participants) will be equipped with Withings Body scales and activity trackers in order to investigate the impact and experience of these smart devices. Participants will also answer questionnaires and provide a blood sample at the end of the study.	I Behavioral Science	Body Scales & Withings Pulses
	University College Dublin (UCD) The Withings Pulse and Withings Body scales were used to track activity and weight of patients with dementia on a longitudinal basis, with the help of their caregivers. The aim is to use this data in combination with information from functional assessments and other devices to simultaneously inform the physicians in primary and tertiary care of the patient's status on an ongoing basis.	I Dementia	Blood Pressure Monitor, Body scales, Withings Pulses
	Leiden Hospital Leiden Hospital uses Blood Pressure Monitor, Body scales, ECG from another device manufacturer with the aim to avoid «9 hospitalizations out of 10» for patients with heart problems. Devices are integrated in hospital platform that generates alerts in case a closer follow-up is necessary.	I Heart diseases	Blood Pressure Monitors, Body Scales
	HEGP Our purpose was to assess the impact of a decrease of body mass index (BMI) on BP by a cross-sectional and longitudinal multivariate study. Our study confirms these results using data measured in real life, using connected devices. Moreover, this study shows an objectively evaluated association between an exposure and an outcome in a longitudinal study.	I Weight loss and blood pressure	Data